

FIG. 1

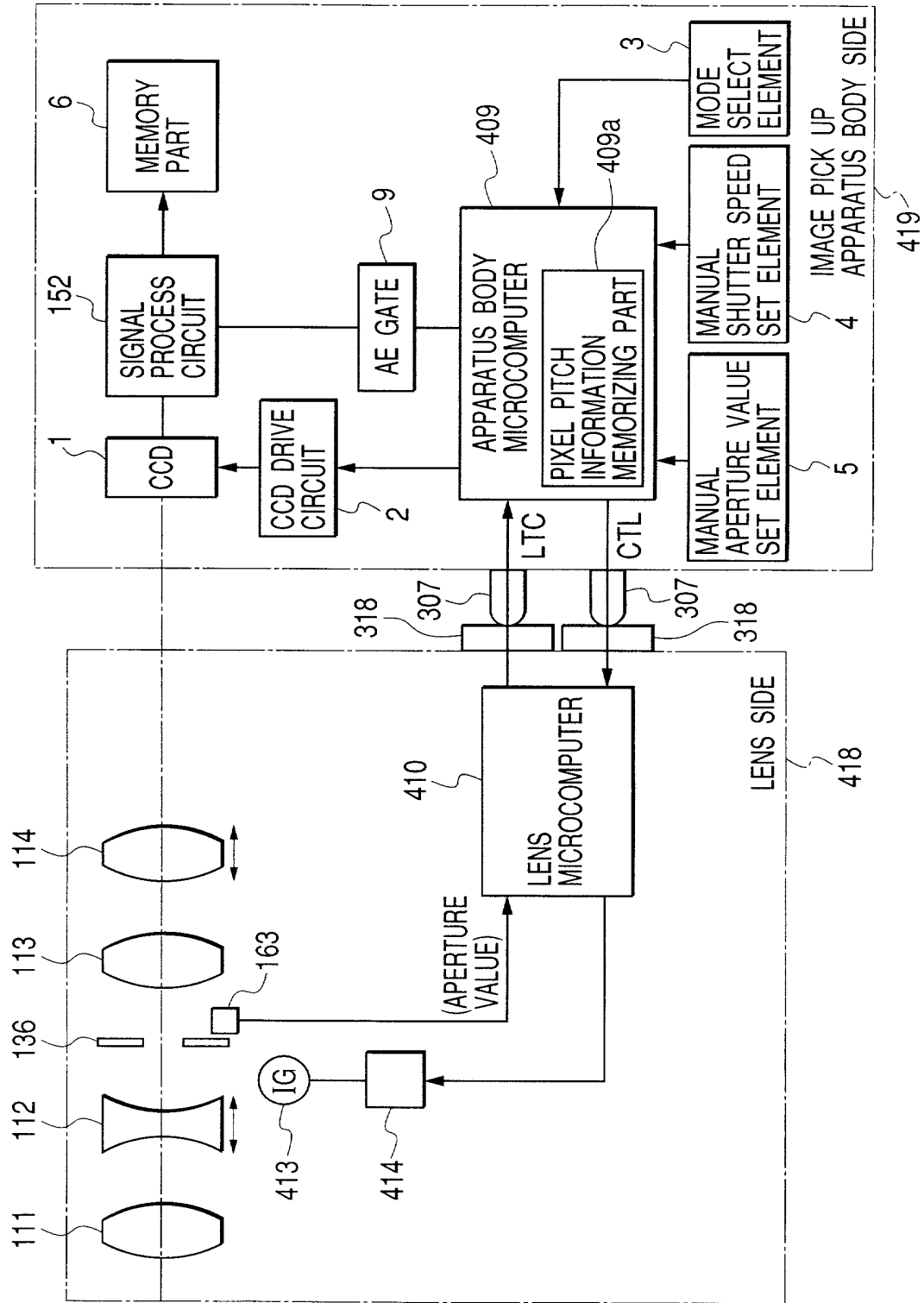


FIG. 2

ΔA : DIFFERENCE BETWEEN AVERAGE VALUE AND TARGET
VALUE OF BRIGHTNESS SIGNAL IN AE GATE

	POWER SUPPLY ON	AUTO MODE OPERATION	
		EXPOSURE CONTROL BY APERTURE STOP	APERTURE LIMIT
CTL	<ul style="list-style-type: none"> • TRANSMIT INFORMATION CONCERNING PIXEL PITCH OF IMAGE PICKUP DEVICE 	<ul style="list-style-type: none"> • TRANSMIT ΔA 	<ul style="list-style-type: none"> • TRANSMIT ΔA
LENS MICRO-COMPUTER	<ul style="list-style-type: none"> • SET DIFFRACTION LIMIT F VALUE (F_{th}) OF SMALL APERTURE (BASED ON CONTENT OF CTL) 	<ul style="list-style-type: none"> • DETERMINE THAT APERTURE ATTAINS TO LIMIT F VALUE AND PERFORM OPERATION TO ATTAIN $\Delta A=0$ 	<ul style="list-style-type: none"> • DEMAND TO TRANSMIT $F=F_{th}$ IN CASE OF OVEREXPOSING SIGN OF ΔA AND $F=F_{th}$
APPARATUS MICRO-COMPUTER	<ul style="list-style-type: none"> • TRANSMIT RESET SIGNAL 	<ul style="list-style-type: none"> • CALCULATE ΔA 	<ul style="list-style-type: none"> • SPEED UP SHUTTER SPEED IN ACCORDANCE WITH $F=F_{th}$
LTC	<ul style="list-style-type: none"> • TRANSMIT RESET OK SIGNAL 	<ul style="list-style-type: none"> • TRANSMIT CURRENT F VALUE IF NECESSARY 	<ul style="list-style-type: none"> • $F=F_{th}$

FIG. 3

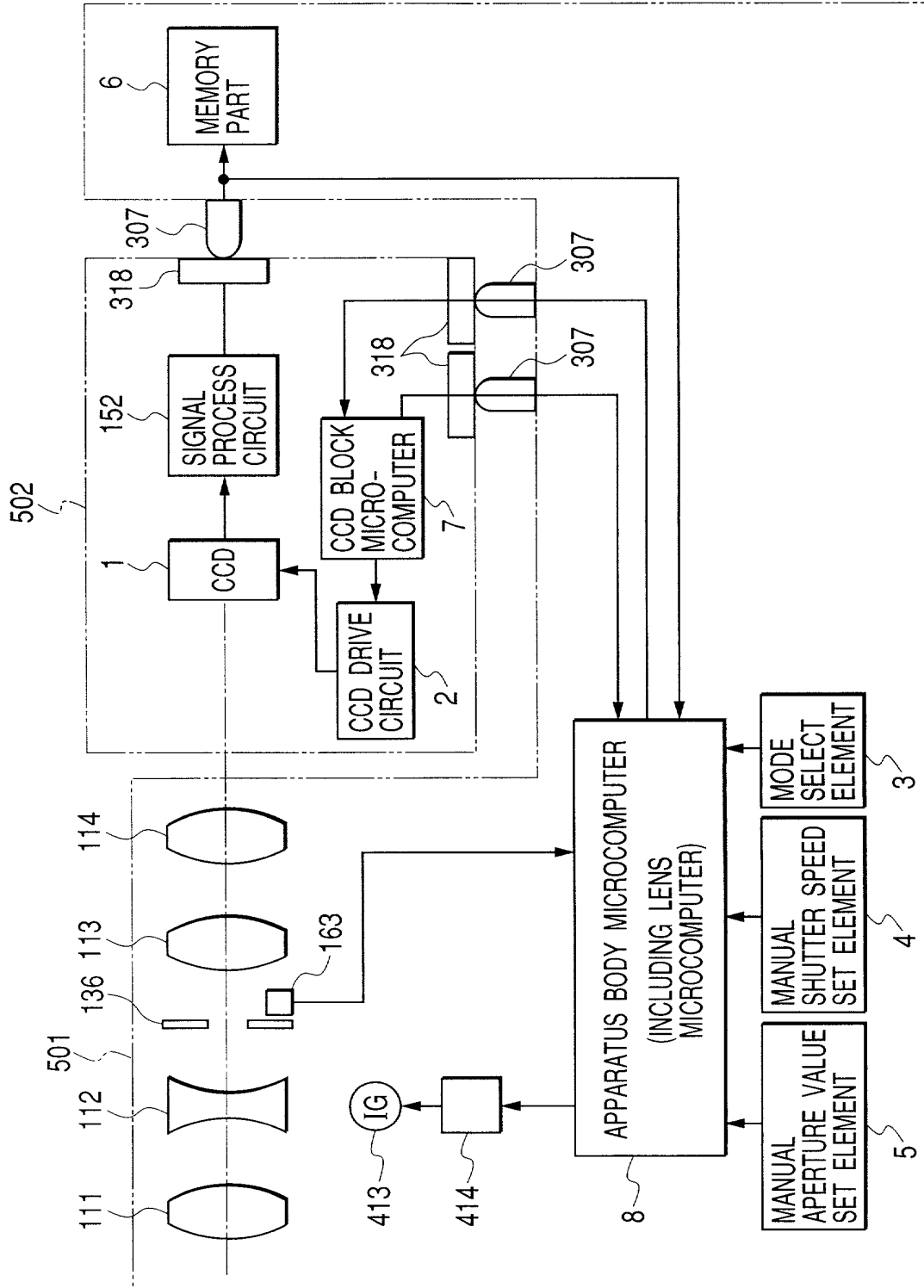


FIG. 4

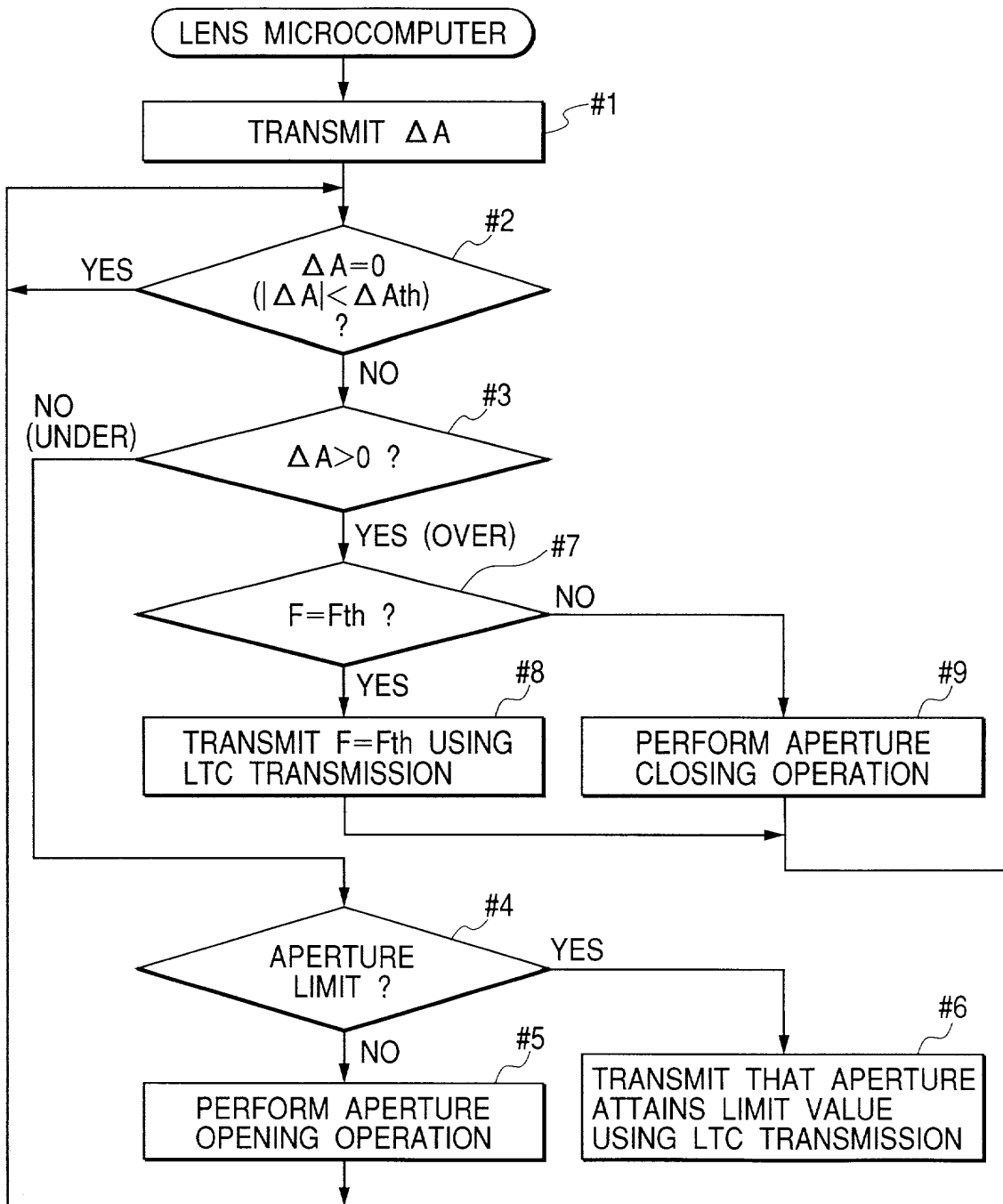


FIG. 5

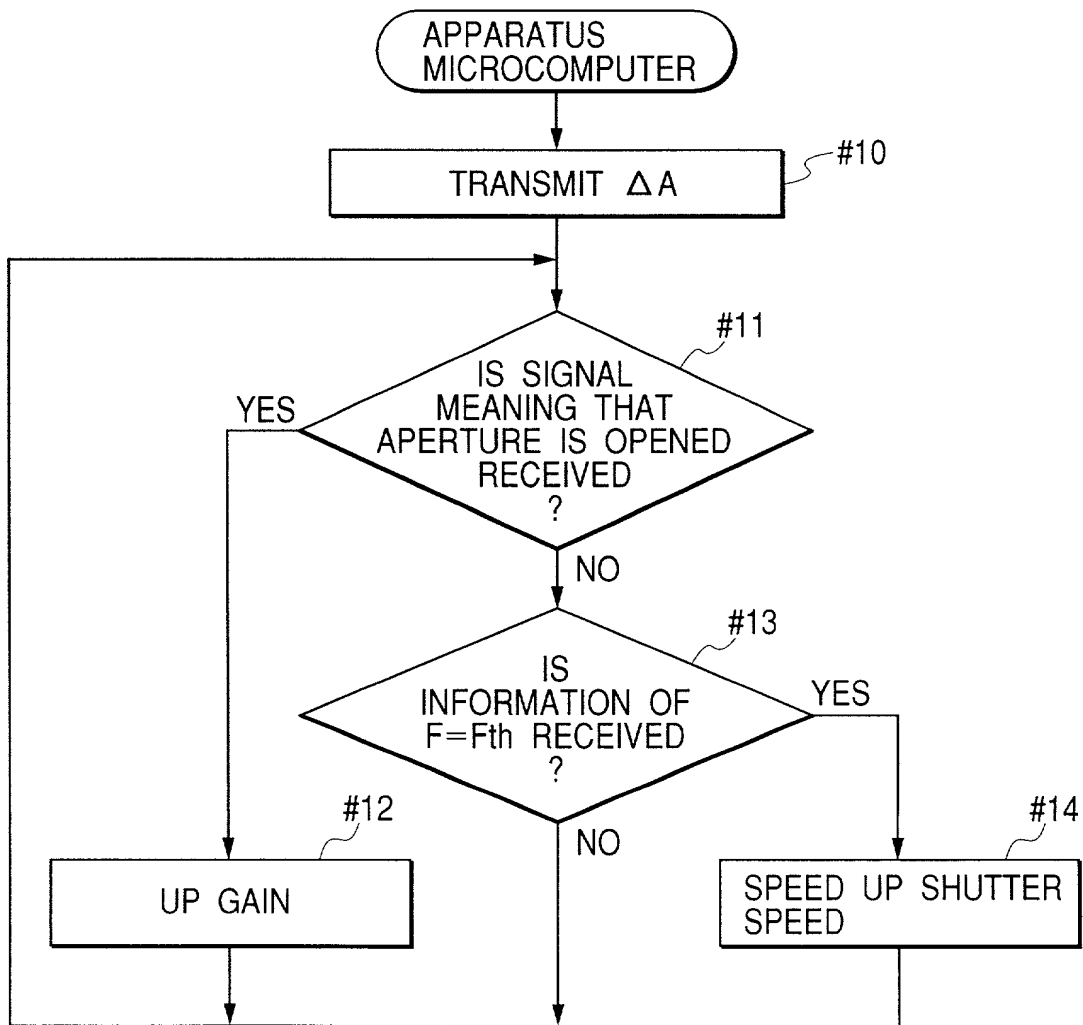


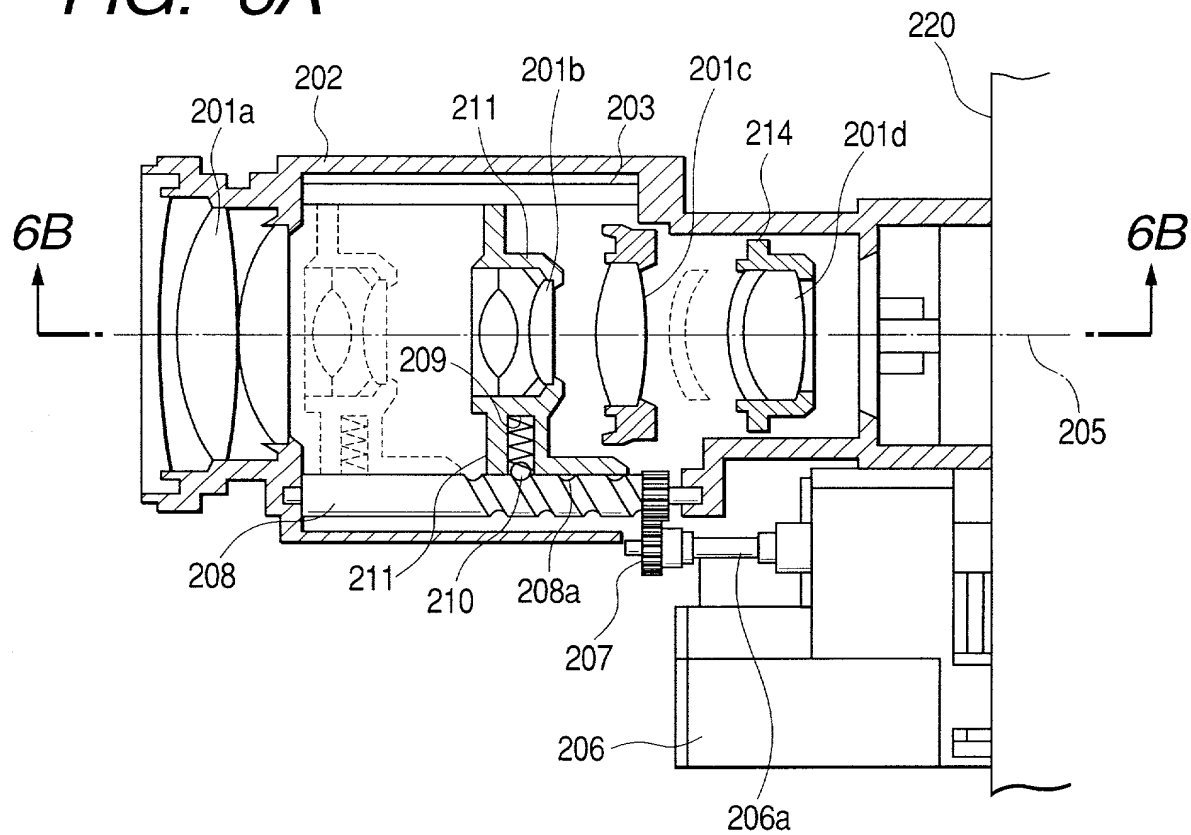
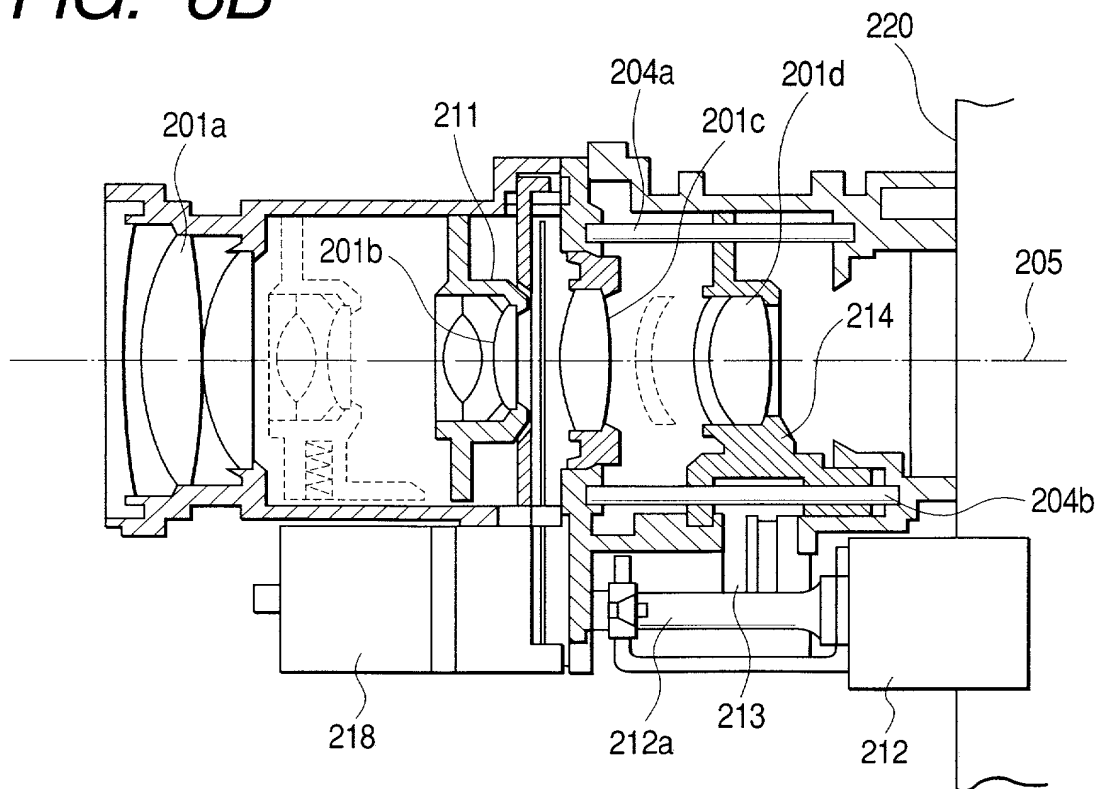
FIG. 6A**FIG. 6B**

FIG. 7

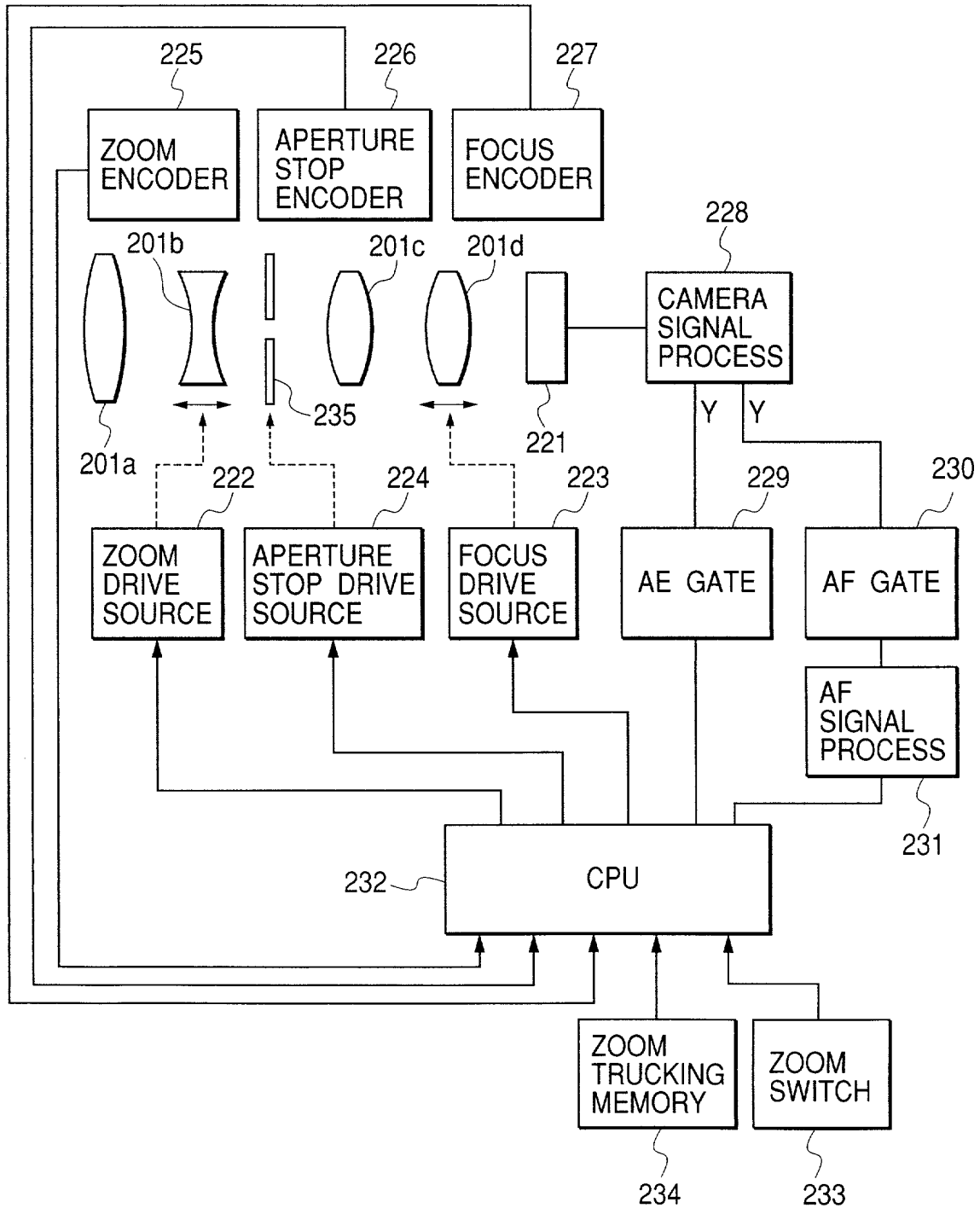


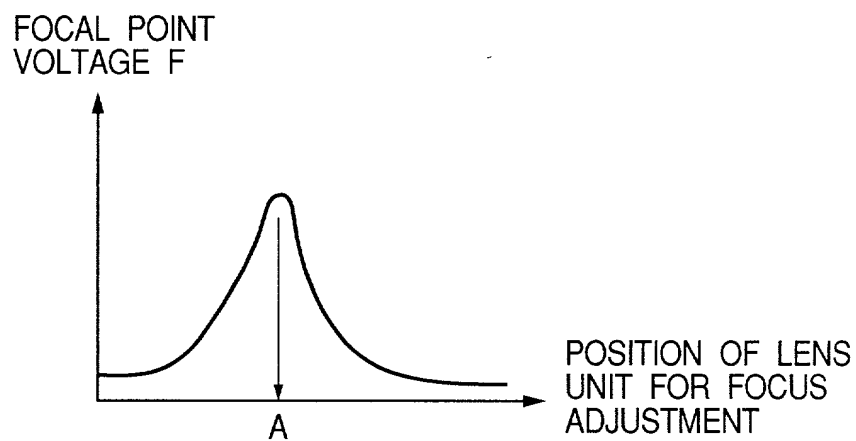
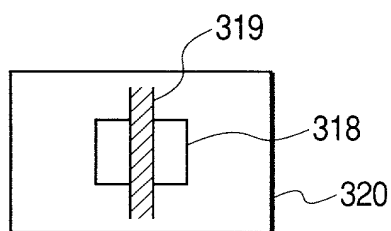
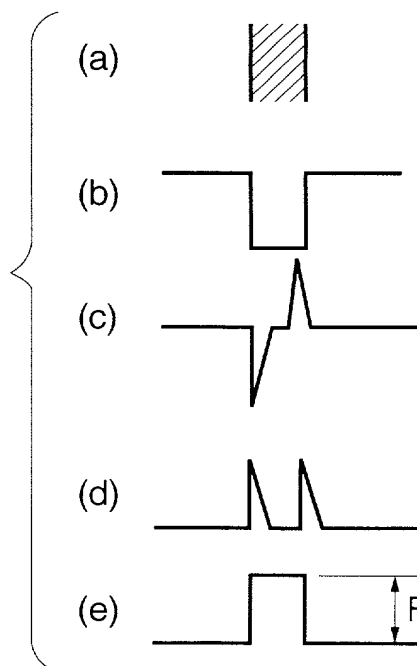
FIG. 8**FIG. 9A****FIG. 9B**

FIG. 10

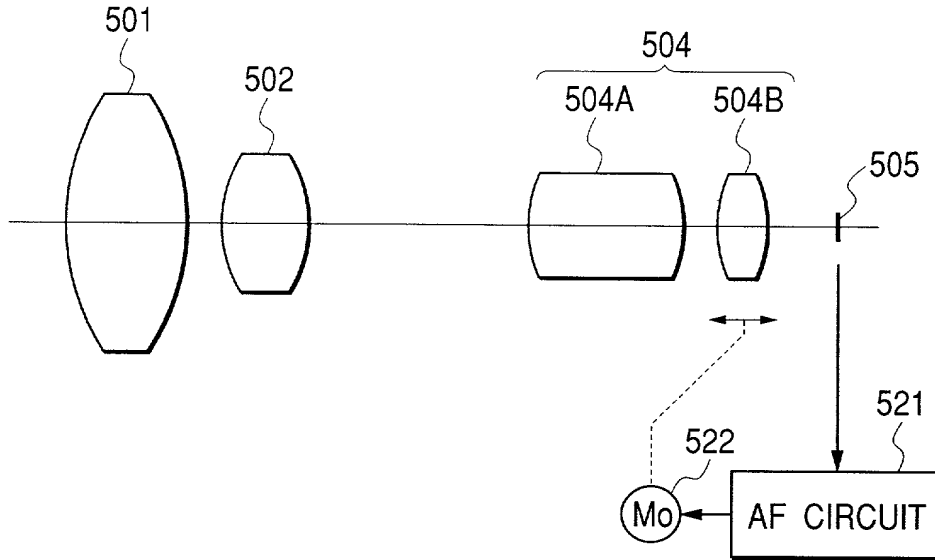


FIG. 11

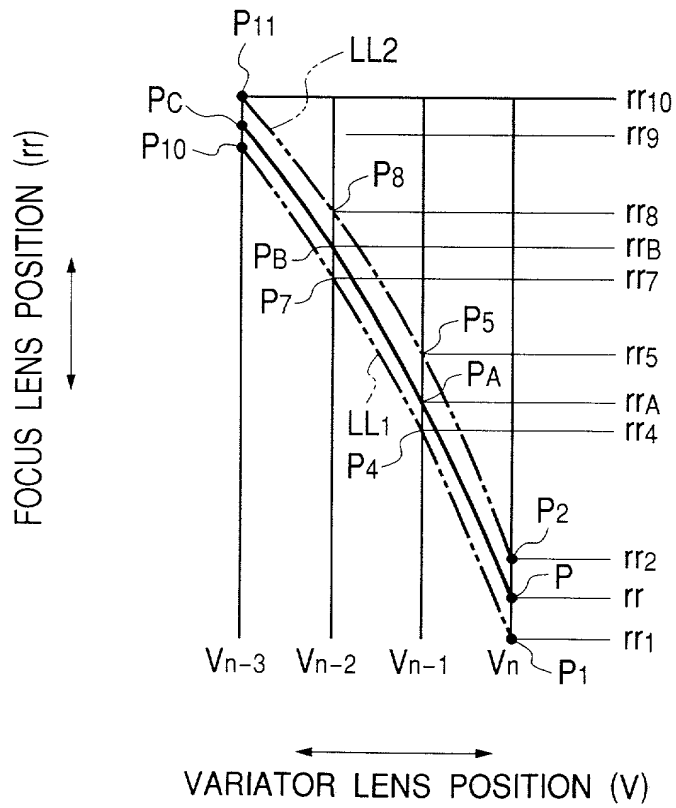


FIG. 12

